

## Memorandum

Date : March 31, 2000  
Telephone: ATSS ( )  
(916) 654-4996

To : William J. Keese, Chairman      File:  
Michal C. Moore  
Robert A. Laurie  
Robert Pernell

From : California Energy Commission - Kent Smith  
1516 Ninth Street      Acting Executive Director  
Sacramento, CA 95814-5512

Subject : **DATA ADEQUACY RECOMMENDATION FOR THE  
NUEVA AZALEA POWER PLANT PROJECT - (00-AFC-3)**

The staff has completed its data adequacy review of the AFC submitted on March 8, 2000. I have determined that the AFC does not contain all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B. Attachment A contains an overview of whether each technical discipline evaluated is adequate or inadequate. Attachment B contains staff's detailed data adequacy worksheets that describe staff's findings for each information requirement. We have received comments from other agencies that will be addressed during our analysis phase. We do not expect to receive a letter from the South Coast Air Quality Management District documenting their completeness review and findings until 30 days after the applicant submits an application to that agency.

At the Energy Commission's business meeting on April 26, 2000, I will be recommending that the Energy Commission not accept the AFC until all the additional information specified in Attachment B is supplied. Pursuant to Cal. Code of Regs., tit. 20, § 1709 (c), if the Energy Commission accepts my recommendation, the Energy Commission shall indicate, in writing, those parts of the AFC which fail to meet the information requirements and the manner in which it can be made complete. Additionally, while the Applicant should consider a timely response to all of the data inadequacies important, staff has expressed concern that the inadequacies of Air Quality, Water Resources and Public Health may considerably delay the preparation of a supplement. Furthermore, I recommend that the Commission require the applicant to provide 150 copies of a complete supplement and a statement verifying that the supplement is complete and contains the data that addresses all of the identified data deficiencies.

If you have any questions, please call James W. Reede, Jr., staff's Project Manager, at (916) 653-1245.

KS:JR:jr

## Attachments

cc: Emilio E. Varanini, III

**ATTACHMENT A  
OVERVIEW OF ENERGY COMMISSION STAFF'S  
DATA ADEQUACY DETERMINATION  
NUEVA AZALEA POWER PLANT PROJECT  
00-AFC-3**

<b>TECHNICAL AREA</b>	<b>ATTACHMENT B PAGE NO.</b>	<b>ADEQUATE?</b>
Air Quality	1	No
Alternatives	6	No
Biological Resources	7	No
Cultural Resources	11	No
Efficiency	14	Yes
Facility Design	16	No
Geological Hazards	19	No
Hazardous Materials Handling	21	No
Land Use	23	No
Noise	26	No
Paleontological Resources	29	No
Project Overview	32	No
Public Health	35	No
Reliability	37	No
Socioeconomics	40	No
Soils	46	No
Traffic and Transportation	48	No
T-Line Safety and Nuisance .	50	Yes
Transmission System Eng.	52	No
Visual Resources	54	No
Water Resources	58	No
Waste Management	62	No
Worker Safety	65	No

## **ATTACHMENT B**

### **ENERGY COMMISSION STAFF'S List of Data Inadequacies**

#### **NUEVA AZALEA POWER PLANT PROJECT 00-AFC-3**

March 31, 2000

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: Air Quality  
 Project Manager: James W. Reede, Jr.

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 22, 2000  
 Technical Staff: Tuan Ngo  
 Technical Senior: Keith Golden

Project: Nueva Azalea  
 Docket: 00-AFC-3

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 5.2.2 and 5.2.3 pages 5-12 to 5-15 Appendix P	No	Please provide estimates of emissions due to construction of secondary facilities such as the new water and natural gas pipelines.
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.		No	Please provide a copy of a completeness letter from the So Coast Air Quality Management District (District).
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Section 5.2.3 pages 5-14 to 5-23 Appendix Q	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 5.2.2 page 5-12 Appendix D	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Appendix S	No	Please provide the total dissolved solid (TDS) content of the cooling tower make-up water.
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Section 5.2.3.2 pages 5-14, 5-47 and 5-48 Appendix Q Section 3.1 (p. 3-1) & Section 3.4.11.6 (p. 3-22)	No	Please provide the hourly, daily and annual PM10 cooling tower emission estimates. Provide the criteria pollutant emissions (NOx, SOx, CO, VOC and PM10) on an hourly, daily and annual basis for the emergency generation.
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Section 5.2.3.2 page 5-14	Yes	

Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 5.2.1.2 page 5-5	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Section 5.2.1.2	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	N/A	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Section 5.2.1.2	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> )] from construction-related equipment;	Section 5.2.3.2 pages 5-14 to 5-23 Appendix Q, R	Yes	

Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO <sub>x</sub> , SO <sub>2</sub> , CO and PM <sub>10</sub> ) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 5.2.3.2 pages 5-14 to 5-23 Appendix Q, R	No	Please clarify whether PM10 emissions from cooling tower were included in the facility's operational impact analysis. If they are not, please provide a revised modeling analysis which includes the PM10 emission's impact from the cooling tower.
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Section 5.2.3.2.5 page 5-23	No	Please provide a protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. If no other projects are planned, please provide a discussion to explain how that determination was arrived at.
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	Section 5.2.4 Pages 5-23, 5-24 and 5-48.	Yes	
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Section 5.2.4 Pages 5-23 to 5-24	No	Please provide a list of potential offset providers. This list should include who the applicant has contacted for purchasing offsets, the quantity of offsets involved, and documentation (either a letter or a report of conversation that includes the contact persons) of the willingness of the offset provider(s) to enter into negotiations. Please provide the address location(s) of each potential offset provider. You may request confidentiality if the information is considered competitive disadvantage.
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Section 1.9.1 Pages 1-15 to 1-17. Section 5.2.4 Pages 5-23 to 5-24	Yes	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Figure 3.2.1 page 3.3	Yes	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.2.1.4 pages 5-7 to 5-12 Table 5.2-29	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.2.5 page 5-25	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.2.5 page 5-25	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.2.5 page 5-25	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.2.6 page 5-53	Yes	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date March 23, 2000  
 Technical Area: Alternatives Project: Nueva Azalea Technical Staff: Gary Walker  
 Project Manager: James W. Reede, Jr. Docket: 00-AFC-3 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Pp. 3-69 through 3-70, Section 3.11.	No	Please discuss any consideration given to engineering constraints and site geology.
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Pp. 3-69 through 3-77, Section 3.11.	No	Please discuss alternative generation technologies, such as hydro, wind, and solar.  Staff understands that the applicant has considered at least one other site for the project. Please identify and describe all sites considered for the project. Include a map clearly showing the location of the sites. Specify the geographic area examined for alternative sites.
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Pp. 3-69 through 3-77, Section 3.11.	No	Please provide an evaluation of the comparative engineering, economic, and environmental merits of alternative generation technologies.  Please provide an evaluation of the comparative engineering, economic, and environmental merits of all sites considered for the project.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x   **DATA ADEQUACY WORKSHEET** Revision #:   0   Date:   March 24, 2000  

Technical Area:   Biological Resources   Project:   Nueva Azalea   Technical Staff:   Rick York  

Project Manager:   James W. Reede, Jr.   Docket:   00-AFC-3   Technical Senior:   Dr. James Brownell  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing site conditions: Sec. 5.6.1, pgs. 5-152, 153  Expected direct, indirect & cumulative impacts: Sec. 5.6.3, pg. 5-156  Mitigation measures, and their effectiveness, and a mitigation monitoring plan:	Yes  No  No	The AFC states that the project will not have direct, indirect, and cumulative biological resource impacts. Please provide a discuss of why there will not be any direct, indirect, c cumulative biological resource impacts.  The AFC states that mitigation is unnecessary. Please provide a discussion of why mitigatic was considered but deemed unnecessary.
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional overview: Sec. 5.6.1.1, pgs. 5-153, 154  Sensitive species: Sec. 5.6.1.7, pg. 5-156  Map(s) showing sensitive species in relation to project site:	Yes  Yes  No	The AFC needs to include a regional map(s) showing the location of sensitive species in relation to the project site.
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Detailed maps:        Species lists: Appendix Y	No       Yes	If sensitive species are historically or curren known to occur within a mile of the proposec project, then a map at the required scale ne to be provided. If the applicant decides that map is unnecessary, then a discussion of wl required maps are not necessary needs to b provided.

Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Description of studies and surveys and names/qualifications of individuals conducting surveys: Appendix Y  Copies of NDDDB field survey forms: None were filed since no sensitive species were found during survey.	No  Yes	Name/qualifications of biologist(s) completing field survey need to be provided.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Discussion of permanent and temporary impacts: Appendix Y  Cooling tower drift impacts discussion: Appendix S	Yes  Yes	
Appendix B (g) (13) (E)	A discussion of the following:	-	-	-
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Impact avoidance measures:	No	The applicant states that the project will not have any impacts, so the AFC needs to include the statement that impact avoidance measures are unnecessary and the reason(s) for that conclusion.
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Off-site mitigation measures:	No	The applicant states that the project will not have any impacts, so the AFC needs to include the statement that off-site mitigation measures are unnecessary and the reason(s) for that conclusion.
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Proposed worker education program:	N/A	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Compliance monitoring programs:	No	The AFC does not discuss a compliance monitoring plan. Please provide a discussion why such a program is unnecessary.

Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Native fish and wildlife of commercial value: Secs. 5.6.1.5 and 5.6.1.6, pg. 5-155	Yes	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:	-	-	-
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	State & federally listed species: Sec. 5.6.1.7, pg. 5-156	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	State listed species: Sec. 5.6.1.7, pg. 5-156	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Species and habitats requiring protection: Secs. 5.6.1.3 and 5.6.1.4, pgs. 5-154, 155	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS table: Sec. 5.6.5, pgs. 5-157 – 5-159; Sec. 7, pgs. 7-7 - 7-9	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	LORS table: Sec. 5.6.5, pgs. 5-157 – 5-159; Sec. 7, pgs. 7-7 - 7-9	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	LORS compliance: Sec. 5.6.5, pgs. 5-157 – 5-159	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Agency contacts: Sec. 5.6.6, pg. 5-159	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permitting schedule: Sec. 5.6.5, pgs. 5-157 – 5-159	Yes	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol I p 5-165  AFC Vol I p 5-168  AFC Vol I p 5-168,169	YES	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Vol I p 5-162 to 5-165	NO	Please provide a map at a scale of 1:24,000 indicating the area or areas of ethnographic occupation.
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC Vol I p 5-165 to 5-167  AFC Vol I p 5-166 to 5-167  AFC Vol I p 5-166 to 5-167	NO	Please clarify the area addressed in the literature search. The letter from the South Central Coastal Information Center provided Vol II, Appendix V, references an area of a half mile radius of the project area. The map referenced in the letter was not provided. It appears that the referenced project area did include the proposed natural gas line. Please provide the literature search information for natural gas pipeline route.  Vol I of the AFC p. 5-166 references field surveys of the South Gate property and the trucking terminal for J.B. Hunt Company. Please clarify the survey area. Please address whether the survey was confined to boundaries of the proposed plant. Please address whether the survey area included the proposed natural gas line route and the proposed access road for underground transmission line. If the survey was not conducted, please conduct the survey and provide the results.

Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC Vol I p 5-167  AFC Vol I p 5-168	YES	
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.		NO	Please provide a summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands.
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC Vol I p 5-168  AFC Vol I p 5-168 to 5-169	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Vol I p 5-170 to 5-171	NO	Tables in Section 7 do not address cultural resources. Please add a Cultural Resource column to Section 7 and add LORS information and explicitly reference pages in the application where conformance with each law or standard during both construction and operation of the facilities is discussed.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC p 5-172  AFC Vol I p 5-169-170	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol I p 5-169 to 171	YES	

Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Vol I p 5-171-172	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Vol I p 5-172	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 13, 2000

Technical Area: Efficiency

Project: Nueva Azalea

Technical Staff: Steve Baker

Project Manager: James W. Reede, Jr.

Docket: 00-AFC-3

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.2, 1.3, 1.6.1, 1.6.6, 1.6.7, 1.7, 2.1, 2.2, 3.1, 3.3.1, 3.4.1, 3.4.2, 3.4.3.1, 3.4.3.2, 3.4.3.5, 3.4.4, 3.4.6, 3.4.9.1; Table 3.4-3; Figure 3.4-1; §§ 3.9.2, 3.9.2.1, 3.9.2.2, 3.11.3.1, 3.11.3.2, 3.11.3.4, 4.3.1.3, 4.3.1.4; Appendix Q	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Figure 3.4-1	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	Appendix Q	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	Appendix Q	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.7, 3.1, 3.9.2.2, 4.3.1.4	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 3.11.3.1, 3.11.3.2, 3.11.3.3, 3.11.3.4	Yes	



Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.0-1	N/A	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date March 20, 2000  
 Technical Area: Facility Design Project: Nueva Azalea Technical Staff: Robert Anderson & Steve Baker  
 Project Manager: James W. Reede, Jr. Docket: 00-AFC-3 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Page 5-140; § 5.5.2.1.2 Page 5-139; § 5.5.5.1.4	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Page 5-141; § 5.5.2.1.2 and Page 5-150; Table 5.5-1; Figure 3.5-1	No	The applicant needs to submit a drainage plan showing stormwater runoff patterns. The applicant needs to submit a current copy of the Federal Emergency Management Agency Flood Insurance Rate Map for the project site and surrounding area.
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Appendix O, Pages O-12 and O-13; §§ 3.3.4 through 3.3.4.2; Figure 3.5-1	No	The applicant needs to select and discuss the selection of drainage system design criteria at the project site.
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Soils and Water Resources		
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Appendix O, Pages O-12 and O-13; §§ 3.3.4 and 3.3.4.2	No	The applicant needs to include its assessment of the impact of the project on the 100-year flood zone or any other local water inundation zone or drainages.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.0-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.0-1, Page 7-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 1.8, 3.4.12, 3.5.1, 3.5.3, 3.5.5, 4.1.1.1; Appendices I, J, K, N & O	Yes	

Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not found	Yes	Staff assumes these contact persons are unknown to the applicant.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	§ 5.3.3	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§ 3.3.3.1; Appendix O	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	§§ 3.4.12, 3.5.1, 3.5.3, 3.5.5, 3.5.9, 4.1.1.1; Appendices I, J, N & O	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	—	—	
Appendix B (i) (1) (D) (i)	The power generation system;	Figure 3.4-1; Appendices I, N & O	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	Appendices I, N & O	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§§ 1.6.7, 3.4.4, 3.4.7, 3.7, 3.9.4; Figures 3.4-5A & -5B; Appendix I	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	Appendices I, N & O	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	§§ 3.4.7.4, 3.4.8.2, 5.14; Appendix O	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	§ 3.4.5.1; Figure 3.4-4; Appendix J	Yes	

Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Figure 3.4-2; Appendices I, J, N & O	Yes	
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Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: **Geological Hazards**  
 Project Manager: James W. Reede, Jr.

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/13/00  
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

Project: Nueva Azalea  
 Docket: 00-AFC-03

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5-114 Section 5.3.1.1 and Pages 5-118 through 5-119 Sections 5.3.3 through 5.3.3.3	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Pages 5-114 through 5-118 Sections 5.3.1.1 through 5.3.2.5	No	Please provide a discussion of all geologic resources within two miles of the proposed power plant.
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Figure 5.3-2, Figure 5.3-3 Pages 5-114 through 5-118 Sections 5.3.1.1 through 5.3.2.5	No	Please provide a site specific geologic map scale of 1:24,000. The map is to include all geologic and geomorphic features within two miles of the footprint of the proposed power plant.
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Figure 5.3.2	No	Please provide a map showing geologic resources within two miles of the site (it may be included on the 1:24,000 scale site geologic map). Please include a review of geologic resources near the proposed power plant and the mineral land classification designations within two miles of the proposed power plant.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 5-121 Table 5.3-1 Page 7-4 table 7.0-1	No	Explicitly reference pages or subsections in the application wherein conformance is discussed. The applicant shall also include a discussion of the California Building Code Appendix Chapter 16.

Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 5-121; Table 5.3-1 Page 7-4; Table 7.0-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not found	No	The discussion of the conformity of the project with the applicable LORS for Geological hazards and resources shall be written as to describe how the project will comply with the LORS.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5-119; Section 5.3.5	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 3/22/2000  
 Technical Area: Hazardous Materials Handling Project: Nueva Azalea Technical Staff: Rick Tyler  
 Project Manager: James W. Reede, Jr. Docket: 00-AFC-3 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.15	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 5.15-1 and 5.15-2	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.		No	Please provide the required map showing the sensitive receptors. Please ensure that the map is consistent with the map of sensitive receptors as required by the Public Health Data Adequacy Siting Regulations, Appendix B (g)(9)(D).
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.15.2.2.2, 5.15.2.2.5 and Table 5.15-2	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	No Protocol was provided However, it is not necessary as the materials used do not pose an accident release risk	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.15.2.2.2	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 5.15.3	Yes	

Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.15.2.2.8	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.0-1 and Section 5.15.5	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.0-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 7.0.1 page 7-9	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.15.5.3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 03/16/00  
 Technical Area: Land Use Project: Nueva Azalea Technical Staff: David Flores  
 Project Manager: James W. Reede, Jr. Docket: 00-AFC-3 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 5-181 & 182, AFC Section 5.9 & 5.9.1 AFC pg. 5-188, Section 5.9.2.1 AFC pg. 5-188, Section 5.9.3	YES	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	AFC pg. 5-184 through 186, Section 5.9.1.3 & 5.9.2, AFC pg. 5-197 & 198, Figure 5.9-3 & 5.9-4	YES	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	AFC pg. 5-191 through 194, Table 5.9-1 through 5.9-6	YES	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	AFC pg. 5-183, Section 5.9.1.1	YES	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and		NO	Provide discussion identifying projects which have been initiated or received approval for change, building permits, development or conditional use permits and general plan amendments in the project and surrounding area.
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	AFC pg..5-197 & 198, Figures 5.9-3 & 5.9-4	YES	

Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	AFC pg. 5-183 & 184, Section 5.9.1.1	YES	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Map not required. No agricultural land within project area. AFC pg. 5-127, Section 5.4.2	YES	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	AFC pg. 5-127, Section 5.4.2	YES	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	AFC pg. 5-127, Section 5.4.2	YES	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	AFC pg. 5-127, Section 5.4.3	YES	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	AFC pg. 5-128, Section 5.4.3.1	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC pg. 5-188 & 189, Section 5.9.4 through 5.9.4.3	NO	Provide discussion of the applicability of each the local LORS as related to the proposed project.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		NO	Identify local agencies which would require review of the project, i.e. landscaping \ parki requirements, design review process.etc., b the exclusive authority of the Energy Commission.

Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 5-188 & 189, Section 5.9.4 through 5.9.4.3	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 5-189, Section 5.9.5	NO	Provide list of local agencies with information requested under Appendix B (h)(3)
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg.189, Section 5.9.6	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: **Noise**  
 Project Manager: James W. Reede, Jr.

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 20, 2000  
 Technical Staff: Kisabuli & Steve Bake  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.5, 1.6.1, 1.6.6, 1.7, 1.9.3, 3.2, 3.5.1, 3.5.12, 3.8; Chapter 5.12; Table 7.0-1, pages 7-15 & -16	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Not Found	No	Provide this map. (Note that Figures 5.12-1 5.12-2 are missing, and do not appear in the Table of Contents.)
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in $L_{eq}$ (equivalent sound or noise level), $L_{dn}$ (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The $L_{10}$ , $L_{50}$ , and $L_{90}$ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	§ 5.12.1.2	No	Describe the general atmospheric conditions including temperature, humidity, and the presence of wind and rain at the time of the ambient noise measurement.
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Tables 5.12-7, -8, -9 & -10	Yes	

Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Tables 5.12-7, -8, -10 & -12	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	§§ 5.12.2.3, 5.12.3.2; Tables 5.12-9 & -11	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	§ 4.2.2.1; Figure 4.2-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 7.0-1 & 5.12-6; § 5.12.1.3	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	§ 5.12.6	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 1.9.3, 3.5.1, 3.5.12, 5.12, 5.12.2.1, 5.12.2.2, 5.12.2.3, 5.12.3.1, 5.12.3.2, 5.12.4; Tables 5.12-6, -7, -8, -10 & -12	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	§ 5.12.5	Yes	

Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§ 5.12.6	N/A	
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5-176; Section 5.8.1.1, Page 5-178; Section 5.8.1.2.2, Page 5-179; Section 5.8.2.1, Page 5-180; Section 5.8.3	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Pages 5-113 through 5-115; Sections 5.3.1 through 5.3.1.2	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Page 5-178; Section 5.8.2	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Pages 5-177 and 178; Section 5.8.1.2.2	Yes	
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Page 5-177; Section 5.8.1.2.1 and Appendix "W"	Yes	

Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Page 5-180; Section 5.8.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Not found in AFC.	No	The applicant has not provided in a table or matrix format the LORS for paleontological resources for the project. The applicant did present the LORS in the text of the paleontological resources section of the AFC though. The applicant needs to put the LOR in a table or matrix format and specify in which section of the AFC where conformance with LORS are discussed.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not applicable.	Not applicable	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not found in AFC	No	The applicant describes the LORS but does not mention as how they will conform with the LORS for paleontological resources for the project. The applicant needs to prepare and submit a discussion as how they intend to conform with each applicable LOR for paleontological resources for this project.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not applicable	Not applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not applicable	Not applicable	



SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Throughout the AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Throughout the AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Throughout the AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Throughout the AFC	No	No listing of preparers for each section was provided. Provide a section list or a comprehensive list identifying preparers by section.
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Section 1.6 Pages 1-5 through 1-10	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Section 3.2 Page 3-2	No	No identification of the site by section, range township was provided. Please provide the identification as required.
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Sections 3.2 & 3.3 Figures 3.2-1, 3.6-2, 5.2-1, & 5.2-41	Yes	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Figure 1.6-1 & 1.6-2 Figure 1.9-1 & 1.9-2	No	Photos do not show Transmission lines, tow gas compressors, water mains nor substatic Please provide accurate full page color simulations of post construction facilities.

Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix B	No	Applicant fails to list property owners within feet of the new gas pipeline. Provide listing impacted property owners.
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Section 1.5, Page 1-4 Table 3.8-1	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Section 1.2, Page 1-2	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Section 1.2, Page 1-2 Section 3.6.22, Page 3-40	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Section 3.6.22, Page 3-40	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Section 3.2, Page 1-2	No	No maps nor identification of the site by assessor's parcel number, section, range or township was provided. Please provide the layout and identification as required.
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;		No	Please provide all drawings required.
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Section 3	Yes	
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Figure 3.2-1	Yes	

Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.		No	Please provide required photos.
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.	NA		
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.	NA		
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.	NA		
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 1.9.8, Page 1-21	Yes	

Adequacy Issue: Adequate Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 20, 2000

Technical Area: Public Health  
Project Manager: James W. Reede, Jr.

Project: Nueva Azalea  
Docket: 00-AFC-3

Technical Staff: Obed Odoemelam  
Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.0, pages 5-12, 5-13, 5-321, 5-322, 5-323, 5-325 and 5-329.	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Section 5.0, pages 5-331, and 5-333.	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Section 5.0, pages 5-323, through 5-325.	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Section 5.0, page 5-335	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Section 5.0, page 5-336	No	The sensitive receptor locations have to be shown on a map. Because of the map size, should also be shown in an accompanying t (along with a related discussion), in terms of distance from the proposed project, the pote cancer risks and hazard indices at each loc

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.0, pages 7-3 and 7-4	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7.0, pages 7-3 and 7-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.0, pages 5-321 and 5-322	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	NA		
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA		

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.2, 1.4.3.1, 1.4.3.2, 1.6.1, 1.6.2, 1.6.6, 1.6.7, 1.6.8, 1.7, 1.9.8.2, 2.1, 2.2, 3.1, 3.3.1, 3.4.1, 3.4.2, 3.4.3.1, 3.4.3.2, 3.4.3.3, 3.4.3.5, 3.4.4, 3.4.5.3, 3.4.5.4, 3.4.5.5, 3.4.5.6, 3.4.6, 3.4.7, 3.4.9.1, 3.4.11.5, 3.4.11.6; Table 3.4-3; §§ 3.7, 3.9.1, 3.9.2.2, 3.9.2.3, 3.9.2.6.1, 3.9.2.7, 3.9.4, 3.10.2, 3.11.3.1, 3.11.3.2, 3.11.3.3, 3.11.3.4, 3.11.4, 4.1.1, 4.1.1.1, 4.1.1.2, 4.3.1, 4.3.1.1, 4.3.1.2, 4.3.1.2.1, 4.3.1.2.2, 4.3.1.3, 4.3.1.4, 4.3.2.1, 4.3.2.1.1, 4.3.2.1.2, 4.3.2.2, 4.3.2.3; Appendix K § 3.3.1; Appendix Q	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.6.6, 3.1, 3.4.6, 3.7	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	§§ 1.9.8.2, 2.1, 3.10.2	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.7, 3.1, 3.9.2.2, 4.3.1.4	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 1.6.2, 3.4.1, 3.11.3.2, 4.3.1.2, 4.3.1.2.1, 4.3.1.2.2	No	Explain why SCONOX is expected to perform adequately at this scale, and why it is unnecessary to propose SCR as a backup in case SCONOX fails to perform adequately.

Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.6.1, 1.6.7, 1.6.8, 3.1, 3.3.1, 3.3.3.1, 3.4.7, 3.7, 3.9.4, 3.11.4, 4.1.1, 4.1.1.1, 4.1.1.2	Yes	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 1.6.2, 1.7, 1.8, 3.3.3.1, 3.4.1, 3.4.5.4, 3.4.5.5, 3.4.11.5, 3.4.11.6, 3.9.1, 3.9.2.2, 3.9.2.3, 3.9.2.6.1, 3.9.2.7, 3.11.3.2, 4.1.1.1, 4.1.1.2, 4.3.1, 4.3.1.1, 4.3.1.2.1, 4.3.2.1, 4.3.2.1.1, 4.3.2.1.2, 4.3.2.2, 4.3.2.3; Appendix K § 3.3.1	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§ 4.3.1.3	No	Describe expected maturation and debuggir period for the SCONOx system.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.0-1	N/A	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/14/2000

Technical Area: **Socioeconomics**

Project: Nueva Azalea

Technical Staff: Dr. Joseph Diamond

Project Manager: James W. Reede, Jr,

Docket: 00-AFC-3

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC, Vol. I 5.10.1.2 Economy and Labor Force, pages 5-201 & 202  5.10.2.1 Employment, page 5-204  Table 5.10-6- Estimated Construction Staffing by Month and Payroll, page 5-214  5.10.2 Mitigation, page 5-203  5.10.2.1 Construction, page 5-208  5.10.3.2 Operation, page 5-208	No	Please provide indirect and induced income and employment multipliers used in impact analysis for the diesel truck storage yard and the proposed power plant
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:			
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	5.10.2.1 Economy and Labor Force, pages 5-201 & 202  5.10.1.7 Fiscal, pages 5-203 & 204.	Yes	



Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	5.10.2.1 Population and Demographics, page 5-201  Table 5.10-1 Key Characteristics-Population and Demographics, page 5-212.  5.10.2.3 Population, page 5-205	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	5.10.2.2 Economy and Labor Force, pages 5-201&202.  Table 5.10-2 Economy and Labor Force, page 5-212	Yes	.
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	5.10.2.3 Employment, page 5-204  Table 5.10-6 Estimated Construction Staffing By Month and Payroll, page 5-214  Table 5.10-7 Estimated Peak Construction and Labor Supply, page 5-215	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	5.10.2.4 Housing, page 5-202  5.10.2.5 Housing, page 5-205  Table 5.10-3 Housing Stock, page 5-212	Yes	

Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	5.10.2.6 Public Services, pages 5-202&203 5.10.2.7 Health Services, page 5-203 5.10.2.8 Utilities, page 5-203 5.10.2.9 Utilities, pages 5-206&207 5.10.2.10 Public Services, pages 5-205&206 5.11 Waste Management, pages 5-291 to 5-305 3.4.7 Water Supply and Treatment, pages 3-14&3-26	Yes	.
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:			
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	5.11.2.1 Employment, page 5-204&205 Table 5.10-6 Estimated Construction Staffing by Month and Payroll, page 214 Table 5.10-7 Estimated Peak Construction Staffing and Labor Supply, page 5-215 Table 3.8-2 Construction Personnel Requirements by Trade page 3-62	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	5.10.2.3 Population, page 5-205 Table 5.10-6 Estimated Construction Staffing By Month and Payroll, page 5-214 5.11.2 Environmental Consequences, pages 5-219 to 5-221	Yes	

Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	5.10.2.3 Population, page 5-205	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	5.10.2.4 Housing, page 5-205	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	5.10.2.5 Public Services, pages 5-205&206 5.10.2.7 Utilities, pages 5-206&207	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	5.10.2.9 Fiscal, page 5-208	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	5.11.2.2 Income, pages 5-204 and 205 Table 5.10-8 Annual Labor Income, page 5-215	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	5.10.2.8 Local Purchases, page 5-207	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	5.10.2.9 Fiscal, page 5-207	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	5.10.4 Laws, ordinances, Regulations and Standards (LORS), pages 5-208 & 209 1.9.9 Environmental Justice, pages 1-22 to 1-24.	No	Please provide a discussion of State-California Government Code, section 65996-65997 limiting State mitigation of educational impacts.

Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	5.10.4 Laws, ordinances, Regulations and Standards (LORS), pages 5-208 & 209	No	Please list all applicable agencies.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	See above	No	Please discuss conformity issues in the context directed above.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	5.10.5 Agency Contacts, page 5-209 & 5-210	No	Please provide the name, title, phone number, and address, if known, of a contact person within each agency: sheriff department, school districts, hospitals and Los Angeles Council of Governments.
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	5.10.6 Permits Required and Schedule for Permits, page 5-210.	N/A	N/A

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: **Soils**  
 Project Manager: James W. Reede, Jr.

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 24, 2000  
 Technical Staff: Rich Sapudar  
 Technical Senior: Dr. James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Conditions: 5.3.1-2 (5-113 to 118) 5.4.1-3 (5-126 to 128) Vol 2 Ap. G p 5-6; Ap. T p 4-5 Mitigation: 5.3.3 (5-118) 5.4.4.2 (5-128) 5.4.5 (5-129) Cumulative Impacts: 5.3.3.3 (5-119) 5.4.4.3 (5-128)	Yes	
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Map: p 5-123 (map scale approaching 1:624,000)  Soil Types: Vol 2 Ap. T ap. A figs A-0 to A-6	Yes	Since no modern soil survey is available for area and the entire site is paved, a soil map not required.
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Erosion Factors: 5.4.3.1 (5-128), Appendix G Depth: Vol 2 Ap. T ap. A figs A-0 to A-6	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Vol 2 Ap. G 4.2 p 6-7	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	5.4.4 (5-128)	Yes	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	5.4.4.1 (5-128)	Yes	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	None	No	Describe emission effects on soil-vegetation systems.

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.3-1 (5-121) 5.4.6 (5-129)	No	Provide specific page or section references 5.3-1; provide in a table format those laws, ordinances, standards, etc., identified on page 129 and include appropriate page or section reference.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	5.3.5 (5-119), 5.4.7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	5.4.6.1 (5-129)	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	5.3.5 (5-119), 5.4.7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	5.4.7	Yes	No permits identified. Rationale explained in 5.3.6 (5-119) and 5.4.7 (5-130).

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.11 Pgs. 5-216 through 5-218 Section 5.11.1 Pgs. 5-218 through 5-219 Section 5.11.2 Pgs. 5-219 through 5-221 Section 5.11.2.1 Pg. 5-221 Section 5.11.3 Pgs. 5-221 through 5-222	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Figure 5.11-1 Section 5.11 Pg. 5-217	Yes	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Figure 5.11-2 Section 5.11 Pg. 5-217	No	Provide a description of any new, planned, or programmed transportation facilities in the project vicinity within a one mile radius.
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Table 5.11-2 Pg. 5-220 Appendix B of Appendix X	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Appendix B of Appendix X	Yes	
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Appendix B of Appendix X	Yes	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Section 5.11-2 Pg. 5-220	Yes	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Appendix X Section 4 Pg. 12	Yes	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.		No	Identification of any road features affecting public safety. If none exist the AFC needs to indicate that
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Section 5.11 Pg. 5-217	No	A description of any new, planned, or programmed transportation facilities in the project vicinity. Specify the location of such facilities within a mile of the natural gas pipeline construction for the facility 1. miles along Southern, Garfield, and Eastern Avenues the Alameda Corridor and the 710 truck lane on topographic maps at a scale of 1:24,000.

Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).		No	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix and the impact of construction of any facilities identified in subsection (g)(5)(C).
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Section 5.11.2 Pg. 5-220  Section 5.15.21 through Section 5.15.22 Pgs. 5-307 through 5.308  Table 5.15-1 Pg. 5.317	No	Estimated quantities of project related hazardous materials, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transportation
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.	Table 7.0-1 Pg. 7-2 through 7-17	No	The table or matrix shall explicitly reference page subsections in the application wherein conformance with each law or standard during both construction and operation of the facility is discussed for traffic transportation
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.11.4.1 Pg. 5-222 through 5-223	No	Identify agencies (local, regional, state and federal) that would have permit approval or enforcement authority, but for Energy Commission authority.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		No	A discussion of the conformity of the project with requirements listed in subsection (h)(1)(A).
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		No	The name, title, phone number, and address of a contact person within each agency who will serve as a contact person for the agency, (City of Southgate, county of Los Angeles, Southern California Association of Governments, etc.).
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	A schedule indicating when permits outside the authority of the commission will be obtained and steps the applicant has taken or plans to take to obtain such permits (i.e. construction permits for Linear Facilities, hazardous waste etc.).



Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 20, 2000

Technical Area: T-Line Safety and Nuisance .

Project: Nueva Azelea

Technical Staff: Obed Odoemelam

Project Manager: James W. Reede, Jr.

Docket: 00-AFC-3

Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.6, pages 3-39, 3-44 and 3-45.	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 4.0, pages 4-9 through 4-11 through 4-16.	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 3.0, pages 3-44 and 3-45. Section 4.0, pages 4-6, through 4-9, 4-11.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 3.0, pages 3-46 through 3-49.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.0, page 5-3597.0, pages 7-11	Yes	

Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 4.0, page 4-6 through 4-12.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	NA		
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 4.0, pages 4-11 and 4-12.	Yes	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 1.6.5 pp. 1-7 thru 1-8 Section 3.6 pp. 3-39 thru 3-46	No	Provide the (pending) SCE System Impact Study which is cited as the source which will "...determine the best interconnection point available to the project.". (Section 1.6.5 p. 1-
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		N/A	N/A due to proximity of project location to claimed available 230 kV transmission corridor.
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 3.6 pp. 3-39 thru 3-46  Appendix M	No	This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation.  Provide the (pending) SCE System Impact Study. Information should include supporting analysis results, load flow single line diagram and summary tables, for system basecase and N-1 & N-2 outage contingency cases. These should illustrate system conditions before and after the project.  Indicate available mitigation options, and the selected, for all identified violations of planning criteria.
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 1.6.5 pp. 1-7 thru 1-8  Section 3.11 pp. 3-69 thru 3-70	Yes	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 3.6-1 p. 3-47	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 3.6-1 p. 3-47  Table 7.0-1 pp. 7-2 thru 7-17	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 3.6.4.4 pp. 3-45 thru 3-46 Section 3.9.3, p. 3-65	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date March 20, 2000  
 Technical Area: **Visual Resources** Project: Nueva Azalea Technical Staff: Gary Walker  
 Project Manager: James W. Reede, Jr. Docket: 00-AFC-3 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pp.5-263 through 5-264, Section 5.13.1.2.  Pp.5-264 through 5-267, Section 5.13.2.  Pp.5-273 through 5-276, Sections 5.13.3 through 5.13-5.	No	Submittal of information requested in ea the sections below will satisfy this requirement..
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	P.5-259, Section 5.11-3; pp. 50263 through 5-265, Section 5.13.1.2.	No	The AFC (p.5-263) states that some var points in the project area have moderate sensitivity. Please describe these vanta points in detail.
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Not provided.	No	Please provide a topographic map at a : of 1:24,000 of the areas from which the project may be seen, identifying the view areas most sensitive to the potential vis impacts of the project and the locations where the photographs were taken for ( (E).
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Not provided.	No	Please provide elevation drawings of an existing structures on the site.
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	P.5-259, Section 5.13; p.5-263, Section 5.13.1.2; p.5-268, Section 5.13.2.3.1.	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Not provided.	No	Please provide an assessment of the vis quality of those areas that will be impac by the proposed project.

Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	P.1-17; Section 1.9.3; p.5-263, Section 5.13.1.2; p.5-268, Section 5.13.2.3.1.	No	The AFC (p.5-263) states that certain vantage points exist where visual sensit may be moderate, and refers to residen structures and a public park southeast c site. Please identify those locations, sp their distance from the site, describe the show them on a map, and indicate the approximate number of people or reside using each of these sensitive areas.
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	P.1-20, Section 1.9.6; Figure 3.6-3; p.5-268, Section 5.13.2.3.1.	No	Please specify the dimensions of the pr components other than the exhaust stac and transmission pole. Include the architectural treatments, specifically the inclined, elliptical cylinders and the curv canopies.  Please specify the color and material of major visible component of the project.
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 5.13-1 through 5.13-12.	No	The figures in the AFC show only the vi after project completion, and are only h page in size.  Please provide full-page color photograp reproductions of the existing setting from each of the photo locations used to crea Figures 1.9.1 and 5.13-1 through 5.13-1  Please provide full-page versions of Fig 1.9.1 and 5.13-1 through 5.13-12.

Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	P.3-54, Section 3.8.2.6; pp.5-267 through 5-272, Section 5.13.2.3.	No	<p>Please discuss the impacts of construct lighting.</p> <p>The AFC specifies the maximum and minimum dimensions for cooling tower plume height and length. Please specify the maximum and mean width of the cooling tower plume and the duration and frequency of those dimensions.</p> <p>Please discuss the visual impact of exhaust stack vapor plumes.</p> <p>Please discuss the impacts of daytime construction activities.</p> <p>Please evaluate the impacts from each of the sensitive viewing positions used in the photosimulations (Figures 5.13-1 through 5.13-12).</p>
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Not provided.	No	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference subsections in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not provided.	No	Tables that identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not provided.	No	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not provided.	No	The name, title, phone number, and address of an official within each agency who will serve as a contact person for the agency.

Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not provided.	No	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	1.6,3.2,3.5.11,3.7,3.8,5.14.2.3.1,5.5.3	No	Provide a discussion of potential impacts to City's water infrastructure such as water treatment facilities, pipelines, etc. Identify anticipated future water demand within the (C Identify the capacity of the reclamation plant that the Central Basin receives effluent from Identify the Publicly Owned Treatment Work (POTW) which will receive the wastewater discharge from the project, and the waters to which the POTW discharges it's effluent. Identify the NPDES permit held by this POT and any violations or exceedances of the pe conditions for the preceding period of 1 year Provide all information required by the NPD permit held by the POTW to accept the proje wastewater under the U.S. EPA pretreatme industrial wastes established by the Clean V Act (40 CFR 423) for this category of industri discharge
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:	see (g)(14)(A)(ii) below	N/A	
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and		N/A	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.		N/A	
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	3.3.3,5.5.1.1.2,5.5.1.1.4	Yes	
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	3.3.3.2,5.5.1.1.2,5.5.1.1.3	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	3.3.3.2,5.5.1.1.2,5.5.1.1.4,5.5.1.4	Yes	

Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	see Facility Design		
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	1.6.2,1.6.7,1.6.8,1.9.2,3.4.7,3.7,5.5.1.1.2,5.5.1.2	Yes	
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	1.6.7,3.7,3.11.4,5.5.1.1.2,5.5.1.2	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	3.11.5.2,5.5.2.1.2,5.14.2.2.2	No	Metals and trace elements are a concern when using reclaimed water, particularly when concentrated in cooling towers. Provide additional analytical data on the reclaimed water source for metals and trace elements using analytical method with analytes and detection limits comparable to U.S. EPA Method 200.1 Inductively Coupled Plasma – Mass Spectrometry. Report all analytes and detection limits. Provide calculations of the estimated concentrations of all constituents of concern in all waste or process water streams, and in the total wastewater discharge to the POTW.
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	1.6.7	Yes	
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	1.6.8,1.6.7,3.5.9,Figure 3.7-1,3.7,3.8.4,3.9.4,3.11.5,5.5.1.6.2,5.5.1.6.3,5.5.2.1.3,5.14.1.1.2,5.14.2.2.1	Yes	
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	see Facility Design		
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	see Facility Design		
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	see Facility Design		
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:	5.5.1.1.2,5.5.2.4	Yes	
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	5.5.2.1.1,5.5.2.1.2,5.5.2.4	Yes	

Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	5.5.3,5.5.2.1.2,5.5.2.3.2	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	see Facility Design		
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	none	No	LORS are listed and discussed, but not organized with referenced pages as required. Include in the table all requirements of the Regional Water Quality Control Board, and the Los Angeles County Sanitation Districts
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	none	No	Agencies are listed and discussed, but are not organized as required. Include in the table all requirements of the Regional Water Quality Control Board, and the Los Angeles County Sanitation Districts.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	5.5.1.3,5.5.5,5.5.1.3.2,5.5.2.1.2,5.5.2.1.3,5.5.3,5.5.5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	5.5.6	No	Include Los Angeles Regional Water Quality Control Board, and the Los Angeles County Sanitation Districts
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	5.5.7	No	Include schedule for obtaining the required permit from the Los Angeles County Sanitation Districts for discharge of industrial wastewater under their NPDES permit.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date March 21,2000  
 Technical Area: **Waste Management** Project: Nueva Azalea Technical Staff: Mike Ringer  
 Project Manager: James W. Reede, Jr. Docket: 00-AFC-3 Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	sec. 5.14.2.1 sec. 5.14.2.3	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	sec. 3.10.1	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	sec. 5.14.2.1.1 sec. 5.14.2.1.2 sec. 5.14.2.3.2 sec. 5.14.2.3.3 sec. 5.14.3.1 sec. 5.14.3.3 sec. 5.14.3.4	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	sec. 5.14.2.3.1 Appendix F	YES	
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	sec. 3.4.8.2 sec. 5.14.2.1.1 sec. 5.14.2.1.2 sec. 5.14.2.3.2 sec. 5.14.2.3.3 Table 5.14-2 Table 5.14-3	YES	

Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	sec. 5.14.1.1.1 sec. 5.14.1.2 Table 5.14-1	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	sec. 5.14.2.1 sec. 5.14.2.3 sec. 5.14.3.3	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.0-1 pp.7-16,17	NO	Provide specific references to pages or sect in the AFC where conformance is discussed
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.0-1 pp.7-16,17	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 7.0-1 pp.7-16,17	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	sec. 5.14.5.3	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	sec. 5.14.3.3	YES	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	P. 5-337, 338	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	P. 5-346, 347 & Table 5.17- 4	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	P. 3-13,14 & 3-19, 20	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:			
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);	P. 5-338, 339	Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);	P. 5-340, 341	Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)	P. 5-339 & Table 5.17-2	Yes	
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);	P. 5-342, 343	Yes	
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);	P. 5-343, 344	Yes	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220);	P. 5-345 & Table 5.17-3	Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).	P. 5-345, 346	Yes	

Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	P. 5-358-362 & Table 5.17-6	No	Provide a reference to pages in the AFC wh conformance with each law or standard in T 5.17-6 is discussed.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	P. 5-363, Table 5.17-8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	P. 5-338,339,340,341,342,343,345,348	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	P. 5-362, Table 5.17-7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	P. 5-349 & 363, Table 5.17-8	Yes	